



THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Jin-ho LEE, et al.

Application No.: 09/873,382 ✓

Filing Date: June 5, 2001

Title: MICRO-ACTUATOR AND MANUFACTURING METHOD THEREOF

MAIL STOP ISSUE FEE

Group Art Unit: 2834

Examiner: K. TAMAI

Confirmation No.: 4610

REQUEST TO COMPLETE NOTICE OF ALLOWANCE

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In reviewing the application identified above upon allowance, the undersigned has noted:

- ☒ The Notice of Allowance shows the following discrepancy(ies):  
Title of Invention, change "PERPENDICULR" to --PERPENDICULAR--.

The U.S. Patent and Trademark Office is therefore requested to correct this discrepancy and issue a corrected Notice of Allowance.

- ☐ The priority document filed \_\_\_\_\_ has not been acknowledged by the U.S. Patent and Trademark Office. Acknowledgment of this priority document is respectfully requested.
- ☒ The Form PTO-1449 submitted with the Information Disclosure Statement(s) filed on January 16, 2003 has not yet been returned. It is therefore respectfully requested that this form(s) be returned as soon as possible indicating consideration of the document(s) mentioned thereon.


Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620

Date: January 20, 2004

By

  
Stephen W. Palan  
Registration No. 43,420



Inventor: Jin-ho LEE et al.

Appln. No. 09/873,382

Filing Date: June 5, 2001

Docket No.: 030681-305

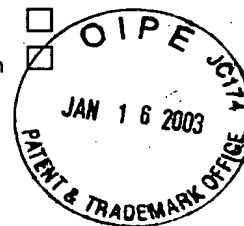
Work Atty: CFW/txt

Date: January 16, 2003



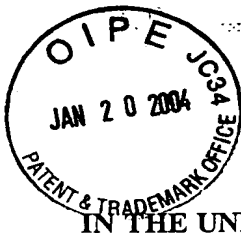
The following was/were received in the U.S. Patent and Trademark Office on the date stamped hereon:

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Amendment or Response   | <input type="checkbox"/> Certificate Under 37 C.F.R. § 3.73(b)                                      | <input type="checkbox"/> Check for \$__ is enclosed   |
| <input type="checkbox"/> Preliminary Amendment   | <input type="checkbox"/> Transmittal Letter for Missing Parts of Application                        | <input type="checkbox"/> Check for \$__ is enclosed   |
| <input type="checkbox"/> Reply Transmittal Letter  | <input type="checkbox"/> Executed Declaration/Power of Attorney                                     | <input type="checkbox"/> Charge \$__ to Deposit Account   |
| <input type="checkbox"/> Petition for _ Month Extension of Time                                    | <input type="checkbox"/> Assignment/Assignment Recordation Form Cover Sheet (PTO-1595)              | <input type="checkbox"/> Issue Fee Transmittal  |
| <input type="checkbox"/> Submission of Formal Drawings w/ _ sheet(s) of drawings (Fig(s). 1- _)    | <input type="checkbox"/> Claim for Convention Priority w/ _ certified copy(s)                       | <input type="checkbox"/> Payment of Issue Fee and Authorization to charge Deposit Account       |
| <input type="checkbox"/> Request for Approval of Drawing Changes w/ _ sheet(s) of red ink drawings | <input checked="" type="checkbox"/> Information Disclosure Statement w/ <u>8</u> document(s)        | <input type="checkbox"/> Request for Refund   |
| <input type="checkbox"/> Notice of Appeal  | <input checked="" type="checkbox"/> Information Disclosure Citation (PTO-1449)                      | <input type="checkbox"/> Status Inquiry   |
| <input type="checkbox"/> Brief for Appellant   | <input checked="" type="checkbox"/> Information Disclosure Statement Transmittal Letter             | <input type="checkbox"/> Request for Corrected Filing Receipt w/copy of Official Filing Receipt |
| <input type="checkbox"/> Request for Oral Hearing  | <input type="checkbox"/> Request for Corrected Notice of Recordation of Assignment w/copy of Notice | <input type="checkbox"/>  |
| <input type="checkbox"/> Reply Brief   | <input type="checkbox"/> Request for Continued Examination  | <input type="checkbox"/>  |
| <input type="checkbox"/> Response to Restriction Requirement or Election of Species                |   | <input type="checkbox"/>  |
| <input type="checkbox"/> Terminal Disclaimer   |   | <input type="checkbox"/>  |



(10/00)





Patent  
Attorney's Docket No. 030681-305

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of	)	
Jin-ho LEE et al.	)	Group Art Unit: 2834
Application No.: 09/873,382	)	Examiner: K. I. Tamai
Filed: June 5, 2001	)	Confirmation No.: 4610
For: MICRO-ACTUATOR AND	)	
MANUFACTURING METHOD	)	
THEREOF	)	

**SECOND**  
**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicants hereby submit the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98. Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

I, the undersigned, hereby state that each item of information contained in this Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

This Information Disclosure Statement contains information which is not in the English language but was cited in a search report or other action by a foreign patent office in a counterpart foreign application. In accordance with M.P.E.P. § 609A(3) an English language version of the search report or action which indicates the degree of relevance found by the foreign office is being submitted herewith.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: January 16, 2003

By: 

Charles F. Wieland III  
Registration No. 33,096

P.O. Box 1404  
Alexandria, Virginia 22313-1404  
(703) 836-6620



SHEET 1 OF 1

Substitute for forms 1449B/PTO &amp; 1449B/PTO

**SECOND INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**ATTORNEY'S DKT No.  
030681-305APPLICATION No.  
09/873,382APPLICANT  
Jin-ho LEE et al.FILING DATE  
June 5, 2001GROUP  
2834**U.S. PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,668,033		Ohara et al.	09-16-1997
	6,424,504		Abe et al.	07-23-2002

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation Yes No
	2000-11556		Japan	01-14-2000	abs
	5-302182		Japan	11-16-1993	abs
	197 44 292		Germany	04-23-1998	
	1 020 984		Europe	07-19-2000	

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	P.F. INDERMUEHLE et al.; Design and Fabrication of an Overhanging xy-microactuator with Integrated Tip for Scanning Surface Profiling; May 1, 1994; pages 346-350; Vol. A43, No. 1/3; Sensors and Actuators A, Elsevier Sequoia S.A., Lausanne, Switzerland

Examiner  
SignatureDate  
Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.